

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Wai et al.

Application No. _____

Filed: Herewith

Confirmation No. Not yet assigned.

For: SUPERCRITICAL FLUIDS IN THE
FORMATION AND MODIFICATION OF
NANOSTRUCTURES AND
NANOCOMPOSITES

Examiner: Not yet assigned.

Art Unit: Not yet assigned.

Attorney Reference No. 2815-67709-03

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Attorney or Agent
for Applicant(s) _____

Ted W. Baker

Date Mailed June 30, 2006

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INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)(2)

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Copies of United States patents and United States published patent applications do not have to be provided to the Patent Office (37 C.F.R. 1.98(a)(2)(ii)). Copies of unpublished U.S. applications do not have to be provided, as long as the application is available on PAIR, as this requirement of 37 C.F.R. § 1.98(a)(2)(iii) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on October 19, 2004 (1287 OG 163). Applicants will provide copies of such patents or applications upon request.

Applicants are filing this Information Disclosure Statement ("IDS") within three months

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of the date of entry of the national stage as set forth in § 1.491 in an international application. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this IDS, deposit account authority is given on the accompanying transmittal letter.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

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cc: Docketing

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	2815-67709-03
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First Named Inventor	Wai
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U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		4,475,993	Oct. 9, 1984	Blander et al.
		5,225,173	July 6, 1993	Wai
		5,274,129	Dec. 28, 1993	Natale et al.
		5,356,538	Oct. 18, 1994	Wai et al.
		5,606,724	Feb. 25, 1997	Wai et al.
		5,730,874	March 24, 1998	Wai et al.
		5,770,085	June 23, 1998	Wai et al.
		5,789,027	Aug. 4, 1998	Watkins et al.
		5,792,357	Aug. 11, 1998	Wai et al.
		5,840,193	Nov. 24, 1998	Smart et al.
		5,965,025	Oct. 12, 1999	Wai et al.
		6,075,130	June 13, 2000	Chen et al.
		6,117,413	Sept. 12, 2000	Fisher et al.
		6,132,491	Oct. 17, 2000	Wai et al.
		6,187,911	Feb. 13, 2001	Wai et al.
		6,194,650	Feb. 27, 2001	Wakayama et al.
		6,524,628	Feb. 25, 2003	Wai et al.

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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		6,653,236	Nov. 25, 2003	Wai et al.
		6,680,279	Jan. 20, 2004	Cai et al.
		2001/0031900	Oct. 18, 2001	Margrave et al.
		2002/0090458	July 11, 2002	Cotte et al.
		2003/0161954	Aug. 28, 2003	Blackburn et al.
		2003/0183043	Oct. 2, 2003	Wai et al.
		2003/0183938	Oct. 2, 2003	Wai et al.
		2004/0077494	April 22, 2004	LaBarge et al.
		2004/0137214	July 15, 2004	Chen et al.

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
		PCT – International	WO 03/057367	17 July 2003	Erkey et al.
		China (English abstract)	1425499	25 June 2003	Xin et al.

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Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
		Holmes et al., "Supercritical Fluid Synthesis of Metal and Semiconductor Nanomaterials," <i>Chem. Eur. J.</i> , 9:2144-2150 (2003)
		Lin et al., "Nanostructured Materials Synthesized in Supercritical fluid," <i>Dekker Encyl. of Nanosci. and Nanotech.</i> , 2595-2606 (2004)
		Morley et al., "Clean Preparation of Nanoparticulate Metals in Porous Supports: A Supercritical Route," <i>J. Mater. Chem.</i> , 12:1898-1905 (2002)
		Ohde et al., "Synthesizing Silver Halide Nanoparticles in Supercritical Carbon Dioxide Utilizing a Water-in-CO ₂ Microemulsion," <i>Chem. Commun.</i> , 2353-2354 (2000)
		Wakayama et al., "Size-Controlled Synthesis and Catalytic Performance of Pt Nanoparticles in Micro- and Mesoporous Silica Prepared Using Supercritical Solvents," <i>Adv. Mater.</i> , 15(9):742-745 (2003)
		Ye et al., "Decorating Catalytic Palladium Nanoparticles on Carbon Nanotubes in Supercritical Carbon Dioxide," <i>Chem. Commun.</i> 642-643 (2003)
		Ye et al., "Supercritical Fluid Fabrication of Metal Nanowires and Nanorods Templated by Multiwalled Carbon Nanotubes," <i>Adv. Mater.</i> , 15(3):316-319 (2003)
		Ziegler et al., "Supercritical Fluid Preparation of Copper Nanotubes and Nanowires Using Mesoporous Templates," <i>J. Phys. Condens. Matter</i> , 15:8303-8314 (2003)
		International Search Report (July 29, 2005), International Searching Authority/US, PCT/US05/01944
		Written Opinion (July 29, 2005), International Searching Authority/US, PCT/US05/01944

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